## INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 03/00946

## A. CLASSIFICATION OF SUBJECT MATTER IPC7: A63B 47/02 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC7: A63B Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched SE,DK,FI,NO classes as above Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) EPO-INTERNAL C. DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Relevant to claim No. Category\* US 3273927 A (L.J. CARLSON), 20 Sept 1966 1,2,6,7,10 X (20.09.66)US 5184859 A (NIHRA ET AL), 9 February 1993 1,2,6,7,10 Y (09.02.93)1,2,6,7,10 US 6257635 B1 (TORELLI), 10 July 2001 (10.07.01) US 3046044 A (A.B. CHRISTLE), 24 July 1962 Α (24.07.62)Further documents are listed in the continuation of Box C. See patent family annex. X later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention Special categories of cited documents: document defining the general state of the art which is not considered "A" to be of particular relevance earlier application or patent but published on or after the international "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "O" document referring to an oral disclosure, use, exhibition or other document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search **27** -08- 2003 25 August 2003 Name and mailing address of the ISA/ Authorized officer Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Christer Wendenius / JA A Telephone No. +46 8 782 25 00 Facsimile No. +46 8 666 02 86

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